OrigaTrod kit

RDE - Rotating Disk Electrode

100 to 10,000 rpm

OrigaTrod RDE

OrigaBox SPEED CONTROLLER

OrigaBox Interface

Licence free software

Windows XP, Vista, 7, 8 and 10.

Radiometer's EDI101 and CTV101 Legacy

Electrochem OrigaLys

GARANTIE INSTRUMENT 5 ANS YEARS AÑOS INSTRUMENT WARRANTY

OrigaTrod is designed to last

Fully compatible with Potentiostats from OrigaLys and other brands

- ✓ **M**anufactured with noble plastics PETP, PTFE, PEEK and the best stainless steel.
- ✓ **M**otor fitted with ball bearings of a "swiss made®" reference top quality.
- ✓ **W**ith an optical digital encoder, OrigaTrod guarantees a rotation speed accuracy of **0.35**%.
- ✓ **T**he electrical signal is ensured thanks to graphite contact doped with silver.
- ✓ **A** removable barbed fitting allows a neutral gas to flow through the electrode when it is used in a corrosive atmosphere.
- ✓ **N**S 14/23 ground joints (sleeve).

Fully compatible with the tips from Radiometer

RDE Speed Controller

- ✓ It controls the RDE speed rotation
- ✓ USB or analog or RS232 control
- ✓ Can be used alone or connected to a potentiostat

By using a Potentiostat from:

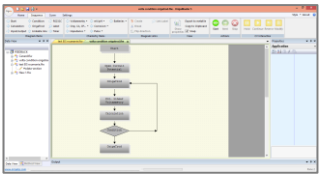
OrigaLys | **Other brands**

1st solution = MANUAL CONTROL

Thanks to the software from OrigaLys: OrigaBox Interface. Connected with USB.

2nd solution = AUTOMATIC CONTROL

The Speed Rotation is controlled by OrigaMaster: the software which controlled the Potentiostat.



The Speed Rotation is controlled by the software which controlled the Potentiostat.

An analog signal or RS232 is required from the Potentiostat, consult us

OrigaBox Interface

Speed Controller Software
Easy to use and licence free

New version January 2018

- ✓ **W**indows Interface
- ✓ **S**peed constant adjustable to control other kind of RDE
- ✓ **E**asy Start and Stop
- ✓ **A**ccurate speed thanks to an optical encoder

Setting the Speed

Controlling one Origa Trod** or more on the same PC is possible**

- ✓ **0**.35% digital resolution
- ✓ **W**ith analog signal, the speed rotation is controlled by potentiostat from other brands

All the tip bodies are in PEEK (PolyEther Ether Ketone) material

Available Tips

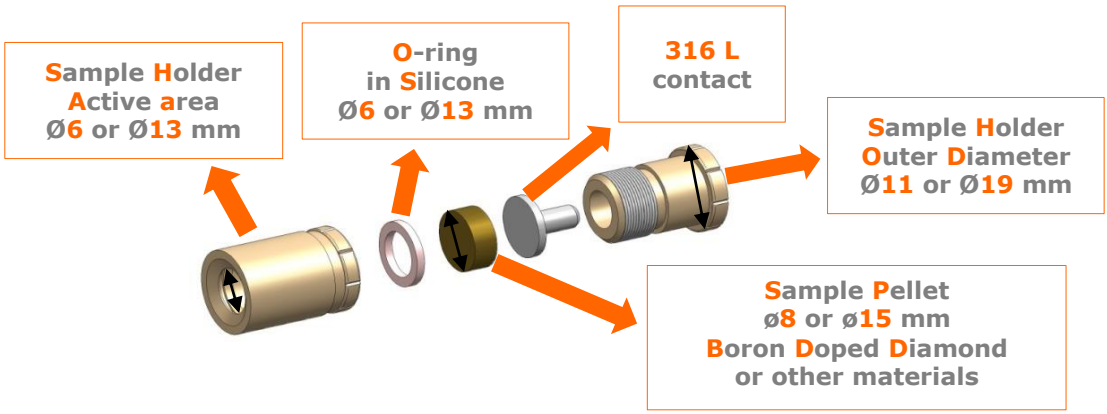
Material	Diameter (mm)
316L Stainless	2 and 5
70% Copper and 30% Nickel	5
Aluminium	5
Antimony	5
Cadmium	5
Carbon Steel XC38	5
Cobalt	5
Copper	5
Glassy Carbon	3 and 5
Gold	2 and 5
Iridium	5
Iron	5
Lead	5
Nickel	2 and 5
Palladium	2
Peek	0
Platinum	2 and 5
Rhodium	2
Silver	2 and 5
Tin	5
Titanium	5
Tungsten	1
Zinc	2

Glassy Carbon Ø3 mm

Fully compatible with the EDI101 from Radiometer

Platinum Ø5 mm

OrigaLys provides a whole range of sample pellets, together with a Sample Holder.



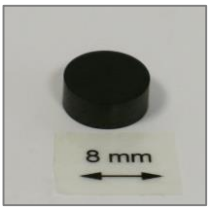
Available Pellets

Material	Diameter (mm)
316L Stainless	8 and 15
A37	8
Aluminium	8
Boron Doped Diamond (BDD)	8 and 15
Copper	8 and 15
Glassy Carbon	8 and 15
Gold	8
Graphite	8
Iron	8
Nickel	8 and 15
Platinum	8
Silver	8
Stainless Steel	8
Tungsten	8

Main Specifications

✓ Thickness:
- For all the pellets: 3 mm

✓ Diameter:
- 8 mm
- Or 15 mm



Glassy Carbon Ø8 mm

A complete solution

Delivered in a protected case to easily transport or store it

The OrigaTrod Kit contains

1. The RDE: OrigaTrod
2. The Speed Controller: OrigaBox
3. One USB flash memory *(containing the software)*
4. The convenient cords *(Power Supply, USB and connection cables)*
5. The case
6. Optional tips and sample holders

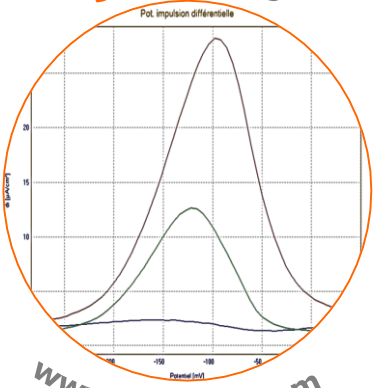
COATINGS

www.origalys.com

CORROSION

www.origalys.com

SENSORS



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RESEARCH

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Subject to change
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